

SEQUENCE LISTING

<110> Fulton, R. Elaine
Nagata, Leslie P.
Alvi, Azhar Z.
Hu, Wei-Gang

<120> Genetic Engineering of Streptavidin-Binding Peptide Tagged
Single-Chain Variable Fragment Antibody to Venezuelan Equine
Encephalitis Virus

<130> NEL-0018

<150> 60/448,902
<151> 2003-02-24

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<170> PatentIn version 3.2

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<212> DNA
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<223> scFv: 1-807:
SBP, 6His and spacers: 808-891

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<301> Wei-Gang Hu, Azhar Z. Alvi, R. Elaine Fulton, Mavanur R. Suresh,
and Les P. Nagata
<302> Genetic Engineering of Streptavidin-Binding Peptide Tagged
Single-Chain Variable Fragment Antibody to Venezuelan Equine
Encephalitis Virus
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Ala Gly Ile His Val Ala Gln Pro Ala Met Ala Gln Val Gln Leu Gln
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gag tca gga cct gag ctg gtg aag cct ggg gct tca gtg aag ata tcc 144
Glu Ser Gly Pro Glu Leu Val Lys Pro Gly Ala Ser Val Lys Ile Ser
35 40 45
tgc aag gcc tct ggc tac acc ttc act gac tac cat gtt cac tgg gtg 192
Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr His Val His Trp Val
50 55 60
aag ggg aag cct gga cag gga ctt gaa tgg att gga atg act tat cct 240
Lys Gly Lys Pro Gly Gln Gly Leu Glu Trp Ile Gly Met Thr Tyr Pro
65 70 75 80

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85 ttg act gta gac aca tcc tcc aac aca gtc tac atg cag ctc agc agc Leu Thr Val Asp Thr Ser Ser Asn Thr Val Tyr Met Gln Leu Ser Ser	336
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165 aga atc acc tgc aag gcc agt cag gat gtg gat act gct gta ggc tgg Arg Ile Thr Cys Lys Ala Ser Gln Asp Val Asp Thr Ala Val Gly Trp	576
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195 tcc acc cgg cac act gga gtc cct gat cgc ttc aca ggc agt gga tct Ser Thr Arg His Thr Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Ser	672
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225 gca gat tat ttc tgt cac caa tat agc agc tat cca ttc acg ttc ggc Ala Asp Tyr Phe Cys His Gln Tyr Ser Ser Tyr Pro Phe Thr Phe Gly	768
245 tcg ggg aca aag ttg gaa ata aaa cgg gcg gcc gcc cat tct ggt ggt Ser Gly Thr Lys Leu Glu Ile Lys Arg Ala Ala Ala His Ser Gly Gly	816
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SBP, 6His and spacers: 270-296

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Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr His Val His Trp Val
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Lys Gly Lys Pro Gly Gln Gly Leu Glu Trp Ile Gly Met Thr Tyr Pro
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Gly Phe Asp Asn Thr Asn Tyr Ser Glu Thr Phe Lys Gly Lys Ala Thr
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Arg Ile Thr Cys Lys Ala Ser Gln Asp Val Asp Thr Ala Val Gly Trp
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Ser Thr Arg His Thr Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Ser
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Ala Asp Tyr Phe Cys His Gln Tyr Ser Ser Tyr Pro Phe Thr Phe Gly
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Ser Gly Thr Lys Leu Glu Ile Lys Arg Ala Ala Ala His Ser Gly Gly
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